

Title (en)
Compressor

Title (de)
Kompressor

Title (fr)
Compresseur

Publication
EP 1890037 A1 20080220 (DE)

Application
EP 06016421 A 20060807

Priority
EP 06016421 A 20060807

Abstract (en)
The compressor has compression units (22) with a cylinder (24) having a piston. The compression units work with a driving motor (12). The cylinder has an opening for a gas and an opening for compressed gas. The openings are connected to a curved pipe (40), whose length amounts to a multiple of the diameter of the pipe. The length of the pipe is 10 to 30 times the diameter of the pipe and preferably 15 to 25 times. Preferably, length of the pipe is 20 times the diameter of the pipe. A cylinder-lateral end of the pipe has a coupler (38) which co-operates towards a coupler (36) of the cylinder.

Abstract (de)
Bei einem Druckluftkompressor sind in den Zylinderdeckeln (26) liegende Ansaugöffnungen mit aus elastomerem Material gefertigten Ansaugrohren (40) verbunden, deren Länge ein vielfaches des lichten Querschnitts beträgt. Die Ansaugrohre (40) haben einen halbkreisförmigen zylinderseitigen Rohrabschnitt (42) und einen geradlinigen freien Rohrabschnitt (44), welcher sich unter geringem Abstand über der Aussenfläche des zugeordneten Zylinders (24, 26) erstreckt.

IPC 8 full level
F04B 39/00 (2006.01); **F04B 53/00** (2006.01)

CPC (source: EP US)
F04B 39/0055 (2013.01 - EP US); **F04B 39/12** (2013.01 - EP US); **F04B 39/123** (2013.01 - EP US)

Citation (applicant)
• JP S58158383 A 19830920 - MATSUSHITA ELECTRIC IND CO LTD
• FR 2668211 A1 19920424 - DAEWOO CARRIER CORP [KR]
• US 2002127123 A1 20020912 - LEE SUNG-TAE [KR]
• US 2003235507 A1 20031225 - KWANG-TSAN CHEN [TW]
• US 2004018098 A1 20040129 - BECKMAN KURT [US], et al

Citation (search report)
• [X] JP S58158383 A 19830920 - MATSUSHITA ELECTRIC IND CO LTD
• [X] FR 2668211 A1 19920424 - DAEWOO CARRIER CORP [KR]
• [X] US 2002127123 A1 20020912 - LEE SUNG-TAE [KR]
• [X] US 2006124385 A1 20060615 - LUCAS MICHAEL J [US], et al
• [X] US 2003235507 A1 20031225 - KWANG-TSAN CHEN [TW]
• [X] US 2004018098 A1 20040129 - BECKMAN KURT [US], et al

Designated contracting state (EPC)
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Designated extension state (EPC)
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DOCDB simple family (application)
DE 202006012971 U 20060823; AT 6472006 U 20060829; EP 06016421 A 20060807; IT MI20060330 U 20060925; US 83429707 A 20070806